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zone classification image vehicle

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## Patent results

Patents 1 - 10 on **zone classification image vehicle**. (0.19 seconds)

Open road cashless toll collection system and method using transponders and cameras to track vehicles      [Sort by relevance](#) | [Sort by date \(new first\)](#) | [Sort by date \(old first\)](#)

US Pat. 6140941 - Filed Jan 17, 1997 - Raytheon Company

As a **vehicle** 17 passes through the toll collection **zone**, ... If **image(s)** were captured, the **vehicle** detection and **classification** data is coupled to the ...

### Occupant detection system

US Pat. 6968073 - Filed Apr 24, 2002 - Automotive Systems Laboratory, Inc.

10 As one example of a **classification** process, the feature vector is ... surface of an avoidance **zone** in a region of space of in a **vehicle** proximate to an ...

### Intelligent **vehicle** highway system sensor and method

US Pat. 5757472 - Filed Aug 9, 1996 - Schwartz Electro-Optics, Inc.

A sensor for detection and **classification** of vehicular traffic data, ... through the sensor **zone**, the processing means forming a three-dimensional **image** ...

### Object detection system for **vehicle**

US Pat. 7038577 - Filed Apr 30, 2003 - Donnelly Corporation

(54) OBJECT DETECTION SYSTEM FOR **VEHICLE** (75) Inventors: John A. ... The reduced **image** data set is representative of a target **zone** of the captured **image**. ...

### Decision enhancement system for a **vehicle** safety restraint application

US Pat. 6856694 - Filed Nov 7, 2003 - Eaton Corporation

At 420, the At-Risk-**Zone** is defined to correspond to a 5 location of the deployment mechanism ... **classification**, tracking, calibration, and **image** quality: ...

### Decision enhancement system for a **vehicle** safety restraint application

US Pat. 6944527 - Filed Nov 7, 2003 - Eaton Corporation

At 420, the At-Risk-**Zone** is defined to correspond to a 5 location of the deployment mechanism ... **classification**, tracking, calibration, and **image** quality. ...

### **Vehicle classification** and axle counting sensor system and method

US Pat. 6304321 - Filed Jan 7, 2000 - Schwartz Electro-Optics, Inc.

**VEHICLE CLASSIFICATION** AND AXLE COUNTING SENSOR SYSTEM AND METHOD CROSS REFERENCE TO RELATED 5 APPLICATIONS This application claims priority to provisional ...

### Model-based incident detection system with motion **classification**

US Pat. 6985172 - Filed Jan 25, 2002 - Southwest Research Institute

Digital **image** data may be obtained from a video digitizer for converting the analog ... following prescribed paths, a **vehicle** stopping in a traffic lane. ...

### System and method for reading license plates

US Pat. 7068185 - Filed Jan 28, 2002 - Raytheon Company

In another embodiment, the system verifies the **classification** manually and/or automatically using a rear or side **image** of the **vehicle**. ...


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 Patents 11 - 20 on **grid classification**. (0.11 seconds)

### AUTOMATIC CONTROL SYSTEM FOR RAILWAY CLASSIFICATION YARDS      [Sort by relevance](#) | [Sort by date \(new first\)](#) | [Sort by date \(old first\)](#)

US Pat. 3247372 - Filed Aug 7, 1957

A portion of this signal is coupled directly to the **grid** of amplifier tube V102 through resistor R93, and another portion is differentiated in capacitor C91 ...

### Method and apparatus for the classification of solid particles

US Pat. 5908115 - Filed Feb 11, 1997 - Montell North America, Inc.

The system is not suitable for continuous **classification** of fine particles, and the system for cleaning the filtering **grid** by mechanical vibrations is not ...

### Adaptive system and method for pattern classification

US Pat. 7058240 - Filed Oct 18, 2002 - Lockheed Martin Corporation

6a is also graphical representation of an addressed object and the normalized **grid** as used in this invention and depicts the calculation of characteristic ...

### CLASSIFICATION OF SHEET MATERIAL

US Pat. 3138048 - Filed Feb 24, 1956

... a positive pulse is transferred through resistor 152 to the control **grid** 153 of an ... time of the apparatus and provides a sheet **classification** system hav-

### Classification-driven thresholding of a normalized grayscale image

US Pat. 6266445 - Filed Mar 13, 1998 - Canon Kabushiki Kaisha

Coupled to the normalization unit 134 is the **classification** unit 138, which compares ... The **grid** 500 is used for assigning values to the gray matrix 144, ...

### PROCESS AND APPARATUS FOR CATALYST CLASSIFICATION IN A MOVING BED CATALYST CONVERSION PROCESS FOR HYDROCARBONS

US Pat. 2664387 - Filed May 22, 1945

Due to the extremely rapid **classification** previously described, the minor portion of catalyse material passing through the **grid** to the connection 3I ...

### CLASSIFICATION METHOD AND APPARATUS

US Pat. 3221152 - Filed Mar 14, 1961

This bias is counteracted by a poten-tial impulse impressed on the **grid** 455 ... This impresses a small negative bias on the suppressor **grid** 465 until after ...

### Hammermill air relief

US Pat. 6405950 - Filed Jan 5, 2001 - Ag Processing Inc

40 45 A rotor 60 and **classification grid** 80 are mounted within the housing ... 50 The **classification grid** 80 is mounted such that it substan-tially but not ...

### FINGERPRINT CLASSIFICATION BY COORDXNATE SYSTEM

US Pat. 3419287 - Filed Dec 8, 1965

In this **classification** system it should be noted that no distinction is made ... of a Cartesian coordinate system, as indicated by the imaginary **grid** 16 ...

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## Patent results

Patents 1 - 10 on **disparity airbag**. (0.11 seconds)

Pressure equalizing curtain **airbag**      **Sort by relevance** | [Sort by date \(new first\)](#) | [Sort by date \(old first\)](#)

US Pat. 6846010 - Filed Jan 30, 2002 - Autoliv ASP, Inc.

The **disparity** in pressure may result in the **airbag** being unequally inflated or in the inflation of one protection zone lagging behind the inflation of ...

Video occupant detection and classification

US Pat. 5983147 - Filed Feb 6, 1997 - Sandia Corporation

Besides the obvious difference of using **disparity** instead of intensity, ...

The data from these tests showed only one "fatal" **airbag** retention for 219 ...

Vehicle with novel **airbag** unit installation structure

US Pat. 5425549 - Filed Mar 22, 1994 - Mazda Motor Corporation

Before the installation of the **airbag** system, the fittings 32 at the U-shaped hook 70 ... there occurs no **disparity** in preferred embodiment, various other ...

Range discriminating optical sensor having a wide angle lens with a fixed focal length

US Pat. 7084385 - Filed Aug 19, 2003 - Autoliv ASP, Inc.

**Airbag** modules commonly contain a collision sensor, an inflator, ... With two cameras, the **disparity** measurements between the two images in the two cameras ...

Method and apparatus for self-diagnostics of a vision system

US Pat. 7003384 - Filed Oct 24, 2003 - TRW Automotive U.S. LLC

The difference in the positions of the object 94 in the images is referred to as "**disparity**." To get a proper **disparity** between the images for performing ...

Data processing system and method

US Pat. 6456737 - Filed Aug 17, 2000 - Interval Research Corporation

... force of an **airbag** when a child is determined to be sitting in the car seat;

... A method of generating **disparity** results with low latency in a data ...

Sensor fusion architecture for vision-based occupant detection

US Pat. 6801662 - Filed Oct 10, 2000 - HRL Laboratories, LLC

... performed by an active **airbag** control system is to evaluate dynamically ...

The **disparity** or shift of matching pixels between the images 8 viewed by the ...

Vacuum control and air restriction barrier for a garment press

US Pat. 6662980 - Filed Jun 11, 2002 - Forenta, LP

Moreover, by preselecting the fabricating material used to make the control barrier 10 the **disparity** between the vacuum force applied to the front portion ...

Interface between impact sensor and controller for a supplemental inflatable restraint system

US Pat. 5620202 - Filed Jan 23, 1995 - Delco Electronics Corp.

3-5 are not drawn to scale since the **disparity** between msec and usec ranges render proper scale impractical. Also the pulses are shown in square wave form ...

Data processing system and method



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IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

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View: 1-

- ☐ 1. **Stereo panoramic vision for monitoring vehicle blind-spots**  
 Matuszyk, L.; Zelinsky, A.; Nilsson, L.; Rilbe, M.;  
[Intelligent Vehicles Symposium, 2004 IEEE](#)  
 14-17 June 2004 Page(s):31 - 36  
 Digital Object Identifier 10.1109/IVS.2004.1336351  
[AbstractPlus](#) | Full Text: [PDF](#)(964 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ 2. **A structure-from-motion algorithm for robot vehicle guidance**  
 Wang, H.; Brady, M.;  
[Intelligent Vehicles '92 Symposium., Proceedings of the](#)  
 29 June-1 July 1992 Page(s):30 - 35  
 Digital Object Identifier 10.1109/IVS.1992.252229  
[AbstractPlus](#) | Full Text: [PDF](#)(568 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ 3. **Fast object segmentation from a moving camera**  
 Arnell, F.; Petersson, L.;  
[Intelligent Vehicles Symposium, 2005. Proceedings. IEEE](#)  
 6-8 June 2005 Page(s):136 - 141  
 Digital Object Identifier 10.1109/IVS.2005.1505091  
[AbstractPlus](#) | Full Text: [PDF](#)(389 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ 4. **U-V-disparity: an efficient algorithm for stereovision based scene analysis**  
 Hu, Z.; Uchimura, K.;  
[Intelligent Vehicles Symposium, 2005. Proceedings. IEEE](#)  
 6-8 June 2005 Page(s):48 - 54  
 Digital Object Identifier 10.1109/IVS.2005.1505076  
[AbstractPlus](#) | Full Text: [PDF](#)(449 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ 5. **Local 3D map building and error analysis based on stereo vision**  
 Huahua Chen; Zezhong Xu;  
[Industrial Electronics Society, 2005. IECON 2005. 32nd Annual Conference of](#)  
 6-10 Nov. 2005 Page(s):4 pp.  
 Digital Object Identifier 10.1109/IECON.2005.1568934



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IEEE CNF IEEE Conference Proceeding

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IEEE STD IEEE Standard

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- ☐ 1. **Magnetic Scalar Triangulation and Ranging system for autonomous undersea detection, localization and classification of magnetic mines**  
 Wiegert, R.F.; Purpura, J.W.;  
OCEANS '04. MTS/IEEE TECHNO-OCEAN '04  
 Volume 2, 9-12 Nov. 2004 Page(s):890 - 896 Vol.2  
 Digital Object Identifier 10.1109/OCEANS.2004.1405589  
 AbstractPlus | Full Text: [PDF\(792 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ 2. **IEEE Oceanic Engineering Society. OCEANS'98. Conference Proceedings No.98CH36259)**  
OCEANS '98 Conference Proceedings  
 Volume 1, 28 Sept.-1 Oct. 1998  
 Digital Object Identifier 10.1109/OCEANS.1998.725630  
 AbstractPlus | Full Text: [PDF\(312 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ 3. **Side zone automotive radar criteria for target classification**  
 Reed, J.C.;  
Intelligent Vehicles '95 Symposium.. Proceedings of the  
 25-26 Sept. 1995 Page(s):361 - 363  
 Digital Object Identifier 10.1109/IVS.1995.528308  
 AbstractPlus | Full Text: [PDF\(232 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ 4. **3D vision technology for occupant detection and classification**  
 Devarakota, P.R.R.; Mirbach, B.; Castillo-Franco, M.; Ottersten, B.;  
3-D Digital Imaging and Modeling, 2005. 3DIM 2005. Fifth International Confer  
 13-16 June 2005 Page(s):72 - 79  
 Digital Object Identifier 10.1109/3DIM.2005.1  
 AbstractPlus | Full Text: [PDF\(312 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ 5. **Using evolutionary computation for seismic signal detection: a homeland application**  
 Porto, V.W.; Fogel, L.J.; Fogel, D.B.;  
Computational Intelligence for Homeland Security and Personal Safety, 2004. Proceedings of the 2004 IEEE International Conference on